

OCT 15 2002

PTO/SB/08A (08-00)

Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known		
				Application No.	09/939,208	
				Filing Date	08/24/2001	
				First Named Inventor	Agoston et al.	
				Group Art Unit	1616	
				Examiner Name	S. N. Qazi, Ph.D.	
Sheet	1	of	10	Attorney Docket Number	05213-0852 (43170-263550)	
U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ²	Kind Code ³ (if known)			
36	1	3,166,577		Ringold et al.	01/19/1965	
	2	3,562,260		De Ruggieri et al.	02/09/1971	

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Examiner Signature	Sabcha Qazi	Date Considered	1/24/04
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

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				Filing Date	08/24/2001
				First Named Inventor	Agoston et al.
				Group Art Unit	1616
				Examiner Name	S. N. Qazi, Ph.D.
Sheet	2	of	10	Attorney Docket Number	05213-0852 (43170-263550)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document		Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ⁴	Number ⁵					
	3	WO	00/07576	A2	ENDORECHERCHE, INC	02/17/2000		
	4	WO	00/10552	A2	Global Vascular Concepts, Inc.	03/02/2000		
	5	WO	00/66095	A2	Sterix Limited	11/09/2000		
	6	WO	00/68246	A1	Research Institute for Medicine and Chemistry Inc.	11/16/2000		
	7	WO	01/27132	A1	The University of Melbourne	04/19/2001		
	8	WO	01/85755	A1	Research Institute for Medicine and Chemistry Inc. and Marsden, John	11/15/2001		
	9	JP	39-5480	B	Teikoku Hormone Mfg. Co.			No
	10	GB	857,080		Syntex S.A.	12/29/1960		
	11	GB	857,081		Syntex S.A.	12/29/1960		
	12	SU	1240038	A1	A MED ONCOLOGY CENTRE (abstract only)	10/27/1996		
	13	DE	2 004 516		VEB Jenapharm	09/10/1970		No
	14	WO	87/02367	A3	The Upjohn Company	04/23/1987		
	15	WO	88/08002	A1	The Upjohn Company	10/20/1988		

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	16	WO	98/32763	A1	SRI International	07/30/1998		
	17	WO	99/01142	A1	Hyal Pharmaceutical Corporation	01/14/1999		
	18	WO	99/33858	A3	SRI International	07/08/1999		
	19	WO	99/33859	A2	SRI International	07/08/1999		
	20	JP	41 000100 (XP-002200990)	A	Dainippon Pharmaceutical Co., Ltd. (abstract only)	01/07/1966		
	21	JP	42-928	B	DAINIPPON PHARM CO LTD (abstract only)	01/18/1967		

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	22	Author: ABOWLWAFI et al. Title: Synthesis and evaluation for uterotrophic and antiimplantation activities of 2-substituted estradiol derivatives Publ: Steroids Vol/Iss: 57 Pages: 199-204 Date: 04/1992			
	23	Author: BLICKENSTAFF et al. Title: SYNTHESIS OF SOME ANALOGS OF ESTRADIOL Publ: Steroids Vol/Iss: 46 (4,5) Pages: 889-902 Date: 10/1985			
	24	Author: BRANDI et al. Title: Bone endothelial cells as estrogen targets (Abstract only) Publ: Calcif. Tissue Int. Vol/Iss: 53 (5) Pages: 312-317 Date: 1993			
	25	Author: BRUEGGEMEIER et al. Title: 2-Methoxymethylestradiol: a new 2-methoxy estrogen analog that exhibits antiproliferative activity and alters tubulin dynamics Publ: Journal of Steroid Biochemistry & Molecular Biology Vol/Iss: 78 Pages: 145-156 Date: 2001			
	26	Author: CRABBE, P. Title: Cotton effect of the styrene chromophore (Abstract only) Publ: Chem. Ind. Vol/Iss: 27 Pages: 917-918 Date: 1969			
	27	Author: DUBEY et al. Title: Methoxyestradiols Mediate the Antimitogenic Effects of Estradiol on Vascular Smooth Muscle Cells via Estrogen Receptor-Independent Mechanisms Publ: Biochemical and Biophysical Research Communications Vol/Iss: 278 Pages: 27-33 Date: 2000			
	28	Author: EL-TOMBARY. Title: Synthesis, Uterotropic, And Antiuterotrophic Activities of Some Estradiol Derivatives Containing Thiadiazole, Thiazoline, and Thiazolidinone Moieties Publ: Arch. Pharm. Pharm. Med. Chem. Vol/Iss: 330 (9-10) Pages: 295-302 Date: 1997			

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	29	Author: EMONS et al. Title: Modulation der hypophysaren Sekretion von Luteinisierendem Hormon (LH) durch Ostrogene Publ: FOCUS MHL Vol/Iss: 3 Pages: 221-228 Date: 1986			
	30	Author: FANCHENKO et al. Title: Characteristics of the guinea pig uterus estrogen receptor system (Abstract only) Publ: Byull. Eksp. Biol. Med. Vol/Iss: 85 (4) Pages: 467-470 Date: 1978			
	31	Author: FRASER et al. Title: Angiogenesis and its control in the female reproductive system (Abstract only) Publ: British Medical Bulletin Vol/Iss: 56 (3) Pages: 787-797 Date: 2000			
	32	Author: GANDHI et al. Title: Mannich reaction of estrone Publ: Journal of Indian Chem. Soc. Vol/Iss: 39 Pages: 306-308 Date: 1962			
	33	Author: HAHNEL et al. Title: THE SPECIFICITY OF THE ESTROGEN RECEPTOR OF HUMAN UTERUS Publ: Journal of Steroid Biochemistry Vol/Iss: 4 Pages: 21-31 Date: 1973			
	34	Author: HE et al. Title: NOVEL CYTOKINE RELEASE INHIBITORS. PART II: STEROIDS Publ: Bioorganic & Medicinal Chemistry Letters Vol/Iss: 8 Pages: 2825-2828 Date: 1998			
	35	Author: HEJAZ et al. Title: Synthesis and Biological Activity of the Superestrogen (E)-17-Oximino-3-O-sulfamoyl-1,3,5(10)-estratriene: X-ray Crystal Structure of (E)-17-Oximino-3-hydroxy-1,3,5(10)-estratriene Publ: Journal of Medicinal Chemistry Vol/Iss: 42 (16) Pages: 3188-3192 Date: 1999			

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	36	Author: HOLKER et al. Title: The Reactions of Estrogens with Benzeneseleninic Anhydride and Hexamethyldisilazane Publ: J. Chem. Soc. Perkin Trans. Vol/Iss: I Pages: 1915-1918 Date: 1982			
	37	Author: HU, G. Title: Neomycin inhibits angiogenin-induced angiogenesis (Abstract only) Publ: Proceedings of the National Academy of Sciences, USA Vol/Iss: 95 (17) Pages: 9791-9795 Date: 1998			
	38	Author: IKEGAWA et al. Title: Immunoaffinity extraction for liquid chromatographic determination of equilin and its metabolites in plasma (Abstract only) Publ: Biomed. Chromatogr. Vol/Iss: 10 (2) Pages: 73-77 Date: 1996			
	39	Author: IRIARTE et al. Title: Steroids (XCIV). Synthesis of 2-methyl and 1,2-dimethyl estrogens (Abstract only) Publ: Tetrahedron Vol/Iss: 3 Pages: 28-36 Date: 1958			
	40	Author: JAGGERS et al. Title: Potent Inhibitory effects of steroids in an in vitro model of angiogenesis (Abstract only) Publ: Journal of Endocrinology Vol/Iss: 150 (3) Pages: 457-464 Date: 1996			
	41	Author: KOVACS et al. Title: Steroids. XXIII. Synthesis of 2- and 4-hydroxy and 2,4-dihydroxy derivatives of estrone and estradiol (Abstract only) Publ: Acta Phys.Chem. Vol/Iss: 19 (3) Pages: 287-290 Date: 1973			
	42	Author: KUREBAYASHI et al. Title: Paradoxical hormone responses KPL-1 breast cancer cells in vivo: a significant role of angiogenesis in tumor growth (Abstract only) Publ: Oncology Vol/Iss: 59 (2) Pages: 158-165 Date: 2000			

Examiner Signature	Sabir Qazi	Date Considered	1/24/04
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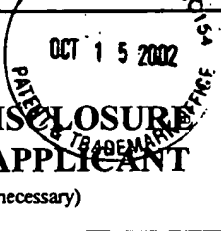
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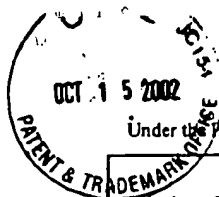
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
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				First Named Inventor	Agoston et al.
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Sheet 7 of 10				Attorney Docket Number	05213-0852 (43170-263550)
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	43	Author: LIPPERT et al. Title: The effects of A-ring and D-ring metabolites of estradiol on the proliferation of vascular endothelial cells Publ: Life Sciences Vol/Iss: 67 Pages: 1653-1658 Date: 2000			
	44	Author: LOOZEN et al. Title: An approach to the synthesis of 7.beta.-amino estrogens (Abstract only) Publ: Recl.: J.R. Neth.Chem. Soc. Vol/Iss: 102 (10) Pages: 433-437 Date: 1983			
SC	45	Author: LOVELY et al. Title: 2-(Hydroxyalkyl)estradiols: Synthesis and Biological Evaluation Publ: Journal of Medicinal Chemistry Vol/Iss: 39 Pages: 1917-1923 Date: 1996			
	46	Author: MACCARTHY-MORROGH et al. Title: Differential Effects of Estrone and Estrone-3-O-Sulfamate Derivatives on Mitotic Arrest, Apoptosis, and Microtubule Assembly in Human Breast Cancer Cells Publ: Cancer Research Vol/Iss: 60 Pages: 5441-5450 Date: 10/01/2000 0			
	47	Author: MICHEL et al. Title: Inhibition of synaptosomal high-affinity uptake of dopamine and serotonin by estrogen agonists and antagonists (Abstract only) Publ: Biochem. Pharmacol. Vol/Iss: 36 (19) Pages: 3175-3180 Date: 1987			
OCT 17 2002	48	Author: MORISAKI et al. Title: Steroids. LI. Aromatization reaction of the cross-conjugated dienone system by Zinc 9. (Abstract only) Publ: Chem. Pharm. Bull. Vol/Iss: 14 (8) Pages: 866-872 Date: 1966			
RECEIVED	49	Author: MUECK et al. Title: Angiogenetic and anti-angiogenetic effects of estradiol and its metabolites (Abstract only) Publ: Journal of Clinical and Basic Cardiology Vol/Iss: 4 (2) Pages: 153-155 Date: 2001			

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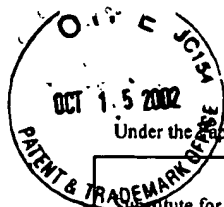
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	50	Author: NAMBARA et al. Title: Microbial transformation products derived from steroids. I. Synthesis of 1,2- and 3-dimethoxy-4-methylestratrienes (Abstract only) Publ: Chem. Pharm. Bull. Vol/Iss: 20 (2) Pages: 336-342 Date: 1972			
	51	Author: NUMAZAWA et al. Title: Novel and Regiospecific Synthesis of 2-Amino Estrogens via Zincke Nitration Publ: Steroids Vol/Iss: 41 (5) Pages: 675-682 Date: 1983			
50	52	Author: OMAR et al. Title: Synthesis, binding affinities and uterotrophic activity of some 2-substituted estradiol and ring-A-fused pyrone derivatives Publ: European Journal of Medicinal Chemistry Vol/Iss: 29 Pages: 25-32 Date: 1994			
	53	Author: PERT et al. Title: Preparations of 2,4-disubstituted estradiols (Abstract only) Publ: Australian Journal of Chemistry Vol/Iss: 42 (3) Pages: 421-432 Date: 1989			
	54	Author: PETERS et al. Title: 17-Desoxy Estrogen Analogues Publ: Journal of Medicinal Chemistry Vol/Iss: 32 (7) Pages: 1642-1652 Date: 1989			
	55	Author: PFEIFFER et al. Title: Are catechol estrogens obligatory mediators of estrogen action in the central nervous system? I. Characterization of pharmacological probes with different receptor binding affinities and catechol estrogen formation rates (Abstract only) Publ: Journal of Endocrinology Vol/Iss: 110 (3) Pages: 489-497 Date: 1986			
	56	Author: SATO et al. Title: Natural estrogens induce modulation of microtubules in Chinese hamster V79 cells in culture (Abstract only) Publ: Horm. Carcinog. II. Proceedings Int. Symp., 2nd (1996), Meeting Vol/Iss: Pages: 454-457 Date: 1996 Date 1994			

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	57	Author: SHISHKINA et al. Title: Synthesis and properties of condensed heterocyclic derivatives of estradiol-4, 9-dien-17 β -ol-3-one (Abstract only) Publ: Khim.-Farm. Zh. Vol/Iss: 8 (1) Pages: 7-11 Date: 1974	
	58	Author: SINGH et al. Title: Inhibition of deoxyglucose uptake in MCF-7 breast cancer cells by 2-methoxyestrone and 2-methoxyestrone-3-O-sulfamate (Abstract only) Publ: Molecular and Cellular Endocrinology Vol/Iss: 160 (1-2) Pages: 61-66 Date: 2000	
	59	Author: SIRACUSA et al. Title: The effect of microtubule- and microfilament-disrupting drugs on preimplantation mouse embryos (Abstract only) Publ: Journal of Embryology and Experimental Morphology Vol/Iss: 60 Pages: 71-82 Date: 12/1980	
	60	Author: SPYRIOUNIS et al. Title: Copper (II) complex of an estradiol derivative with potent antiinflammatory properties (Abstract only) Publ: Arch. Pharm. Vol/Iss: 324 (9) Pages: 533-536 Date: 1991	
	61	Author: WANG et al. Title: Photoaffinity labeling of human placental estradiol 17 β -dehydrogenase with 2- and 4-azidoestrone, 2- and 4-azidoestradiol (Abstract only) Publ: Shengwu Huaxue Zazhi Vol/Iss: 8 (6) Pages: 715-718 Date: 1992	
	62	Author: WANG et al. Title: Synthesis of B-Ring Homologated Estradiol Analogues that Modulate Tubulin Polymerization and Microtubule Stability Publ: Journal of Medicinal Chemistry Vol/Iss: 43 Pages: 2419-2429 Date: 2000	
	63	Author: WIESE et al. Title: Induction of the Estrogen Specific Mitogenic Response of MCF-7 Cells by Selected Analogues of Estradiol-17 β : A 3D QSAR Study Publ: Journal of Medicinal Chemistry Vol/Iss: 40 Pages: 3659-3669 Date: 1997	

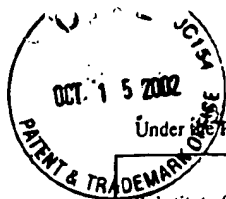
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<i>SC</i>	64	Author: WURTZ et al. Title: Three-Dimensional Models of Estrogen Receptor Ligand Binding Domain Complexes, Based on Related Crystal Structures and Mutational and Structure-Activity Relationship Data Publ: Journal of Medicinal Chemistry Vol/Iss: 41 Pages: 1803-1814 Date: 1998			

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Examiner Signature	<i>Sabih Qazi</i>	Date Considered	1/24/04
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

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